

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Folker Lieb

Serial No.

10/017,695

Filed

December 14, 2001

For

ALKYL DIHALOGENATED PHENYL-SUBSTITUTED

KETOENOLS USEFUL AS PESTICIDES AND HERBICIDES

Group Art Unit

1624

Examiner

T. Truong

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TECH CENTER 1600/2900

DECLARATION

Mr. Ulrich Kniehase hereby declares 1 8 2001

العالما العالمات المالية المالية

that he is an agronomist having studied at the Hoehere Landbauschule
 Herford, Germany;

- that he received his diploma's degree in agriculture at the Hoehere
 Landbauschule Herford, Germany in 1965;
- that he entered the employ of Bayer in 1965;
- that he has specialized in plant protection (entomology);
- that the following tests have been carried out under his direction.

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Example

Plutella test

Solvent:

7 parts by weight of dimethylformamide

Emulsifier:

2 part by weight of alkylaryl polyglycolether

To produce a suitable preparation of active compound, 1 part by weight of active compound is mixed with the stated amount of solvent and emulsifier, and the concentrate is diluted with emulsifier-containing water to the desired concentration.

Cabbage leaves (Brassica oleracea) are treated by being dipped into the preparation of the active compound of the desired concentration and are infested with larvae of the diamond-black moth (Plutella xylostella) as long as the leaves are still moist.

After the specified period of time, the mortality in % is determined. 100 % means that all the caterpillars have been killed; 0 % means that none of the caterpillars have been killed.

In this test, for example, the following compounds from the preparation examples show a superior level of activity compared to the prior state of the art:

plant damaging insects Plutella-test

active compound		ctive compound oncentration in ppm	mortality in % after 6 ^d
OH CH ₃ CH ₃			
öH₃cí known from US 5,5	<u>145,444</u>	1000	83
Ex. I-3-a-3 OH CH3 O CI		1000	100
according to the invention		1000	100

The undersigned declarant hereby declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2004 - 01 - 0g

Ulrich Kniehase